

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A recording medium ~~having~~ comprising:

a first area ~~[[on]]~~ in which data that has been encoded with a first error correction code is recorded; and

a second area having recorded therein ~~on which data that has been~~ encoded with the first error correction code and data that is decodable with a second error correction code that is different from the first error correction code ~~are mixedly recorded,~~

wherein data is recorded in the second area that causes ~~[[the]]~~ a cumulated value of a DC component per unit period of ~~[[the]]~~ data reproduced from the second area to deviate ~~is recorded in the second area.~~

Claim 2 (Currently Amended): The recording medium as set forth in claim 1,

wherein the data decodable with the second error correction code contains the data decodable with the first error correction code, and

wherein the data ~~of which the cumulative~~ that causes the cumulated value of the DC component ~~deviates~~ to deviate is contained in the data decodable with the first error correction code.

Claim 3 (Currently Amended): The recording medium as set forth in claim 2,

wherein the data recorded in the first area and encoded with the first error correction code has been encrypted with at least encryption key data, and

wherein the data decodable with the second error correction code ~~composes~~ includes at least a part of ~~at least~~ the encryption key data.

Claim 4 (Original): The recording medium as set forth in claim 3,
wherein the data decodable with the first error correction code is placed in the data decodable with the second error correction code so that when the data decodable with the second error correction code is decoded with the first error correction code, the data decodable with the first error correction code represents a predetermined error pattern in accordance with the encryption key data.

Claim 5 (Original): The recording medium as set forth in claim 4,
wherein at least part of the data decodable with the first error correction code is dummy data.

Claim 6 (Currently Amended): The recording medium as set forth in claim 1,
wherein information that represents [[the]] a position of the second area is recorded on the recording medium.

Claim 7 (Currently Amended): A recording method, comprising the steps of:
recording data that has been encoded with a first error correction code to a first area of a recording medium;

~~mixedly~~ recording data ~~that has been~~ in the second area encoded with the first error correction code and data that is decodable with a second error correction code that is different from the first error correction code to a second area of the recording medium; and

recording data that causes [[the]] a cumulated value of a DC component per unit period of [[the]] data reproduced from the second area to deviate to the second area.

Claim 8 (Currently Amended): The recording method as set forth in claim 7,
wherein the data decodable with the second error correction code contains the data
decodable with the first error correction code, and
wherein the third recording step is performed so that the data ~~causing~~ that causes the
~~cumulative~~ cumulated value of the DC component to deviate is contained in the data
decodable with the first error correction code.

Claim 9 (Currently Amended): The recording method as set forth in claim 8,
wherein the first recording step is performed so that the data recorded in the first area
and encoded with the first error correction code has been encrypted with at least encryption
key data, and
wherein the data decodable with the second error correction code ~~composes~~ includes
at least a part of ~~at least~~ the encryption key data.

Claim 10 (Original): The recording method as set forth in claim 9,
wherein the second recording step is performed by placing the data decodable with
the first error correction code in the data decodable with the second error correction code so
that when the data decodable with the second error correction code is decoded with the first
error correction code, the data decodable with the first error correction code represents a
predetermined error pattern in accordance with the encryption key data.

Claim 11 (Original): The recording method as set forth in claim 10,
wherein at least part of the data decodable with the first error correction code is
dummy data.

Claim 12 (Currently Amended): The recording method as set forth in claim 7, further comprising ~~the step of~~:

recording information that represents ~~[[the]]~~ a position of the second area to the recording medium.

Claim 13 (Currently Amended): A recording apparatus, comprising:

a first encoding process portion ~~for performing~~ configured to perform an encoding process including an error correction code encoding process for data that is input, with a first error correction code;

a second encoding process portion ~~for performing~~ configured to perform a second encoding process including an error correction code encoding process with a second error correction code that is different from the first error correction code;

a modulating process portion ~~for receiving~~ configured to receive output data of the first encoding process portion and output data of the second encoding process portion, ~~performing~~ and configured to perform a modulating process for the output data of the first encoding process portion and the output data of the second encoding process portion, and performing a modulating process for modulating the output data of the second encoding process portion so that data that causes ~~[[the]]~~ a cumulated value of a DC component per unit period of the output data of the second encoding process portion to deviate is contained in the output data of the second encoding process portion; and

a recording portion ~~for receiving~~ configured to receive output data of the modulating process portion and ~~mixedly recording~~ configured to record data in a second area encoded with the first error correction code and data decodable with the second error correction code, which is different from the first error correction code.

Claim 14 (Original): The recording apparatus as set forth in claim 13,
wherein the second encoding process portion is configured to perform the error correction code encoding process with the second error correction code and perform an encoding process for data decodable with any of the first error correction code and the second error correction code.

Claim 15 (Currently Amended): The recording apparatus as set forth in claim 14,
wherein the modulating process portion is configured to perform the modulating process so that [[the]] data decodable with any of the codes supplied from the second encoding process portion contains the data ~~causing~~ that causes the cumulated value of the DC component per unit period of the ~~reproduced output data~~ of the second encoding process portion to deviate.

Claim 16 (Currently Amended): The recording apparatus as set forth in claim 13,
further comprising:

a recording control portion ~~for mixedly recording~~ configured to control the recording portion so that the data in the second area encoded with the first error correction code and the data decodable with the second error correction code different from the first error correction code are recorded, and

wherein the recording control portion is configured to cause the data decodable with the second error correction code to ~~compose~~ include at least a part of the encryption key data.

Claim 17 (Original): The recording apparatus as set forth in claim 16,
wherein the recording control portion is configured to record the data decodable with any of the codes in the data decodable with the second error correction code so that when the

data decodable with the second error correction code is decoded with the first error correction code, the data decodable with any of the codes represents a predetermined error pattern in accordance with the encryption key data.

Claim 18 (Currently Amended): The recording ~~method~~ apparatus as set forth in claim 17,

wherein a part of the data decodable with any of the codes is dummy data.

Claim 19 (Currently Amended): The recording apparatus as set forth in claim 13, wherein information that represents ~~[[the]]~~ a position of an area in which the data in the second area encoded with the first error correction code and the data decodable with the second error correction code different from the first error correction code are ~~mixedly~~ recorded.

Claim 20 (Currently Amended): A reproducing apparatus, comprising:
a head portion ~~for reading~~ configured to read data from a recording medium having a first area on which data that has been encoded with a first error correction code is recorded and a second area on which data ~~that has been~~ in the second area encoded with the first error correction code and data that is decodable with a second error correction code that is different from the first error correction code are ~~mixedly~~ recorded, wherein data that causes ~~[[the]]~~ a cumulated value of a DC component per unit period of ~~[[the]]~~ data reproduced from the second area to deviate is recorded in the second area;

a decoding process portion ~~for performing~~ configured to perform a decoding process for data that has been read from the head portion;

an error correcting process portion ~~for performing~~ configured to perform an error correcting process for output data of the decoding process portion, with the first error correction code;

a generating portion ~~for decrypting~~ configured to decrypt key data in accordance with a process result of the error correcting process portion; and

a decrypting portion for decrypting encrypted data that has been read from the first area and that has been output from the decoding process portion with the key data decrypted by the generating portion.

Claim 21 (Currently Amended): The reproducing apparatus as set forth in claim 20, wherein an encrypting process has been performed for the data in the second area encoded with the first error correction code recorded on the recording medium in accordance with the key data,

wherein the key data has been recorded on the recording medium, and

wherein the generating portion is configured to generate ~~another~~ other key data for which the other key data is decrypted with an error pattern decoded with the first error correction code and configured to decrypt the key data with the other key data.

Claim 22 (Currently Amended): The reproducing apparatus as set forth in claim 21, wherein information that represents ~~[[the]]~~ a position of the second area has been recorded on the medium, and

wherein the reproducing apparatus is configured to control the position of the head portion in accordance with the information representing the position so as to read the data of the second area.

Claim 23 (Currently Amended): A reproducing method, comprising ~~the steps of~~:

reading data from a recording medium having a first area on which data that has been encoded with a first error correction code is recorded and a second area on which data ~~that has been~~ in the second area encoded with the first error correction code and data that is decodable with a second error correction code that is different from the first error correction code are ~~mixedly~~ recorded,

wherein data that causes ~~[[the]]~~ a cumulated value of a DC component per unit period of ~~[[the]]~~ data reproduced from the second area to deviate is recorded in the second area;

~~performing a decoding process for~~ data that has been read;

~~performing an error correcting process for the decoded data~~ that has been decoded with the first error correction code;

decrypting key data in accordance with a process result of the error correcting process; and

decrypting encrypted data that has been read from the first area with the decrypted key data.

Claim 24 (Currently Amended): The reproducing method as set forth in claim 23,

wherein an encrypting process has been performed for the data in the second area encoded with the first error correction code recorded on the recording medium in accordance with the key data,

wherein the key data has been recorded on the recording medium, and

wherein the decrypting ~~step is performed by~~ includes generating ~~another~~ other key data for which the other key data is decrypted with an error pattern decoded with the first error correction code and decrypting the key data with the other key data.

Claim 25 (Currently Amended): The reproducing method as set forth in claim 24,
wherein information that represents [[the]] a position of the second area has been
recorded on the medium, and
wherein the reproducing method further comprises ~~the step of:~~ reading the data of the
second area in accordance with the information representing the position.